**ALGEBRA II – 2022-23 January 31, 2023**

**Today’s Agenda (Day 99)**

1. Homework Check:

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1. Class Activity

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🡪DAY 3: Chapter 6 Review

1. **Section 6.1 – Operations on Functions**
2. Section 6.3 – Square Root Functions and Inequalities
3. Section 6.4 – nth Roots

\*Mid-Chapter 6 Quiz\*

1. **Section 6.2 – Inverse Functions and Relations**
2. Section 6.5 – Operations with Radical Expressions
3. Section 6.6 – Rational Exponents
4. Section 6.7 – Solving Radical Equations and Inequalities

HOMEWORK:

* **READ:** Chapter 6 – Inverses and Radical Functions and Relations
* **COMPLETE:** Chapter 6 Vocabulary
* **COMPLETE:** Section 6.1, p. 389 [#8, 12, 14, 16, 18, 20, 22, 26, 28, 32, 34, 36, 46, 48, 52, 54, 56]
* **STUDY:** Chapter 6 Vocabulary, Mid-Chapter Quiz, and Test

**CHAPTER 6 VOCABULARY**

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| --- | --- | --- | --- | --- | --- |
| Composition of functions | Inverse relation | Inverse function | Square root function | Radical function | Square root inequality |
| nth root | Radical sign | Index  | Radicand  | Principal root | Rationalizing the denominator |
| Conjugates | Radical equation | Extraneous solution | Radical inequality |  |  |

**ABRIDGED VOCABULARY TEMPLATE**

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| **Term**:  |
| **TEXTBOOK DEFINITION** |
| **SENTENCE/PICTURE/EXAMPLE/FORMULA** |

REMINDERS:

* QUIZ: Mid-Chapter 6 🡪 Wednesday, Feb. 1
* QUIZ: Chapter 6 Vocabulary 🡪 Friday, Feb. 3
* TEST: Chapter 6 🡪 Friday, Feb. 10